

NEW CLAIMS

1. A method for delegated page specialization, wherein a page has been created by a defined administration level, wherein said page is defined by a page identification (ID; 31) and a defined layout (32), wherein said defined layout comprises at least one container being assigned by an identification to a defined layer, an identification to an existing parent container, not changeable parts of said defined layout, and access rights to the next level of administration, wherein said method comprises the steps of:

specializing (35) said defined layer on its changeable parts resulting in a delta to said defined layer representing a new layer and assigning identification to said new layer and to said parent layer,

storing said delta,

defining parts of said delta to be unchangeable by the next administration level (36),

granting access rights to said delta to the next administration level for specialization purposes.

2. A method according to claim 1, including the further step:

repeating said steps by a next level of administration (37).

3. A method performed by claim 2, wherein said new layer comprises container(s) with or without frame(s) being assigned by an identification to parent container(s) of a previous layer.

4. A method according to claim 3, wherein said layers are being stored in a so-called tree-structure.

5. A method according to claim 1, wherein said content may be presented in a form of a Web Page, a Portal Page, or a text document of a text processing system.

6. A method according to claim 5, wherein said Portal Page is provided by a portal system, wherein said portal system comprises an authentication component (20) for user authentication, an authorization component 40 for providing user access to authorized content, portlets for rendering content (80,90), an aggregation component 30 for aggregation of content provided by said portlets (80, 90).
7. A method according to claim 1, wherein said delta is characterized by delete, add, or move one or more containers and/or frames with respect to said defined layer.
8. A method according to claim 6, wherein to each frame a portlet ID is assigned.
9. A method according to claim 1, wherein said defined administration level may be the first administration level and said defined layout page may be a basic layout (first layer).
10. A method according to claim 5, wherein said Portal Page and said Home Page is additionally defined by page title and page description.
11. A method according to claim 1, wherein said specializing step comprises the steps delete, add, and move of containers or frames.
12. A method according to claim 1, wherein each newly added layer is added to an existing layer table which contains layer IDs, their parent layer IDs, and their assigned page ID.
13. A method according to claim 7, wherein each newly added container is added in an existing container table which contains container IDs, their parent container IDs, and their assigned layer IDs.
14. A method according to claim 7, wherein delete a container is ~~added~~ in an existing container table by indicating a terminator which is applied to the container to be deleted.

15. A method according to claim 7, wherein move of a container is added in an existing container table by indicating the container to be replaced and the new parent.
16. A method for electronically displaying a page being created by a method according to claim 1 to 15, comprising the steps of:
- receiving input from a user requesting a page,
- determining layers belonging to said page by using said layer table,
- determining and loading on a layer by layer basis all containers and frames belonging to said layers by using said container table,
- assembling said containers and frames by starting with the first layer and connecting all containers and frames according to their parent relationship (tree-structure), and
- visualizing said containers/frames by rendering said containers and frames according to their parent-relationship of said tree-structure.
17. A method according to claim 16, wherein said page is a Portal Page and said assembling step further includes the step to assign portlet IDs to each frame and said visualizing step further includes the step to render content to be provided by said portlets.
18. An application program using the method according to claims 1, 2, 4, 5, 7, 9, 11 to 16.
19. An application program according to claim 18, wherein said application program is a text processing program or a portal application program.
20. Computer program product stored in the internal memory of a digital computer, containing parts of program code to execute

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the method in accordance with claims 1 to 17 if the product is run on the computer.

AMENDED SHEET